AMENDMENTS TO THE CLAIMS

1. (**Currently amended**) A method for <u>incentivizing</u> the cost-effective use of medications, <u>the method</u> comprising:

    <u>storing, in a memory of a computer, medical information for a particular patient, the medical information including diagnostic information and patient attribute information, wherein the diagnostic information comprises information indicative of at least one of symptoms of the patient, a diagnosis of a first disease of a patient, and a type of possible medication treatment therapies, and wherein the patient attribute information comprises information indicative of at least one of an age of the patient, a sex of the patient, a weight of the patient, a medication treatment therapy currently prescribed to the patient, a second disease of the patient different than the first disease, a surgery performed on the patient, an allergy of the patient, a laboratory finding related to the patient, and a social history of the patient;</u>

    <u>determining, by a processor of the computer, a plurality of possible medication treatment therapies based at least in part on the diagnostic information for the particular patient;</u>

    ~~adjusting~~ <u>determining,</u> ~~using one or more processors~~ <u>by the processor of the computer,</u> a patient copayment for <u>each of a plurality of</u> ~~at least one~~ medication treatment ~~therapy~~ <u>therapies</u> based at least in part of the patient attribute information for the particular patient ~~according to a cost-effectiveness of the medication treatment therapy~~; and

    ~~providing a physician with the adjusted~~ <u>displaying the determined</u> patient ~~copayment~~ <u>copayments</u> ~~of the medication treatment therapy,~~ <u>thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the medication information for the particular patient.</u>

2. (**Canceled**)

3. (**Canceled**)

4. (**Canceled**)

5. (**Currently amended**) The method of claim 1, wherein the ~~cost-effectiveness of the~~ <u>patient copayment for at least one of the plurality of</u> medication treatment ~~therapy~~ <u>therapies</u> is

based on the overall cost of treatment, including treatment of side-effects related to the medication therapy.

6. (**Currently amended**) A system for incentivizing the cost-effective use of medications, the system comprising:

a user interface[[,]] configured to receive input from a user and display information;

storage means configured to store medical information for a particular patient, the medical information including diagnostic information and patient attribute information, wherein the diagnostic information comprises information indicative of at least one of symptoms of the patient, a diagnosis of a first disease of a patient, and a type of possible medication treatment therapies, and wherein the patient attribute information comprises information indicative of at least one of an age of the patient, a sex of the patient, a weight of the patient, a medication treatment therapy currently prescribed to the patient, a second disease of the patient different than the first disease, a surgery performed on the patient, an allergy of the patient, a laboratory finding related to the patient, and a social history of the patient;

a cost-effectiveness analysis medication treatment therapy means [[,]] configured to determine a cost-effectiveness of a plurality of medication treatment therapies based at least in part on the diagnostic information for the particular patient; and

[[a]] patient copayment adjustment means [[,]] configured to adjust determine a patient copayment for each of the medication treatment therapies based at least in part of the patient attribute information for the particular patient according to cost-effectiveness data from the cost-effectiveness analysis means, wherein the adjusted copayment for each medication treatment therapy is displayed on the user interface, thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the medication information for the particular patient.

7. (**Canceled**)

8. (**Canceled**)

9. (**Currently amended**) The system of claim 6, wherein the ~~cost-effectiveness~~ <u>patient</u> <u>copayment</u> of a medication treatment therapy is based at least in part on the risk of complications for the medication treatment therapy.

10. (**Canceled**)

11. (**Canceled**)

12. (**Currently amended**) A medication therapy treatment selection system, <u>the system</u> comprising:

a user interface [[,]] configured to receive input from a user and display information;

<u>a storage configured to store medical information for a particular patient, the medical information including diagnostic information and patient attribute information, wherein the diagnostic information comprises information indicative of at least one of symptoms of the patient, a diagnosis of a first disease of a patient, and a type of possible medication treatment therapies, and wherein the patient attribute information comprises information indicative of at least one of an age of the patient, a sex of the patient, a weight of the patient, a medication treatment therapy currently prescribed to the patient, a second disease of the patient different than the first disease, a surgery performed on the patient, an allergy of the patient, a laboratory finding related to the patient, and a social history of the patient;</u>

a ~~medication therapy analyzer~~ <u>processor</u> in data communication with the user interface <u>and the storage</u>, configured to determine a plurality of possible medication treatment therapies based at least in part on <u>the diagnostic information for the particular</u> patient ~~information provided at the user interface;~~<u>, to determine a patient copayment for each of the medication treatment therapies based at least in part of the patient attribute information for the particular patient, and to</u>

~~a cost-effectiveness analyzer in data communication with the medication therapy analyzer, wherein the cost-effectiveness analyzer is configured to generate cost-effectiveness data for each of the possible medication treatment therapies; and~~

~~a patient copayment adjuster in data communication with the cost-effectiveness analyzer and the user interface, configured to adjust a patient copayment for each of the~~

~~medication treatment therapies based on the cost-effectiveness data, and configured to~~ provide the ~~adjusted~~ <u>determined</u> patient ~~copayment~~ <u>copayments</u> to the user interface for display<u>, thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the medication information for the particular patient</u>.

13. (**Currently amended**) The system of claim 12, ~~further comprising a patient electronic record database in data communication with the user interface, the medication therapy analyzer, and the cost-effectiveness analyzer, and configured to store data corresponding to a patient under treatment,~~ wherein the ~~patient electronic record database~~ <u>medical information for the particular patient</u> is accessible by the user interface.

14. (**Canceled**)

15. (**Canceled**)

16. (**Canceled**)

17. (**Canceled**)

18. (Original) The system of claim 12, wherein the user interface is a wireless communication device.

19. (**Currently amended**) The system of claim 12, wherein at least one of the user interface, the ~~patient electronic record database~~ <u>storage</u>, ~~the medication therapy analyzer, the cost-effectiveness analyzer,~~ and the ~~copayment adjuster~~ <u>processor</u> is coupled to a data communication network.

20. (**Canceled**)

21. (**Canceled**)

22. (**Currently amended**) A method of ~~increasing~~ <u>incentivizing</u> the cost-effective use of medication treatment therapies, comprising ~~adjusting~~ <u>determining</u>, ~~using one or more processors~~ <u>by a processor of a computer</u>, a patient copayment for at least one of a plurality of possible medication treatment therapies <u>based at least in part on part of patient attribute information for the particular patient, wherein the patient attribute information comprises information indicative of at least one of an age of the patient, a sex of the patient, a weight of the patient, a medication treatment therapy currently prescribed to the patient, a second disease of the patient different than the first disease, a surgery performed on the patient, an allergy of the patient, a laboratory finding</u>

related to the patient, and a social history of the patient, thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the medication information for the particular patient ~~according to a cost-effectiveness determination of each of the plurality of possible medication therapy for a patient under treatment~~.

23. (**Currently amended**) The method of claim 22, further comprising providing a physician with the ~~adjusted~~ patient copayment of at least one of the possible medication treatment therapies.

24. (**Canceled**)

25. (**Canceled**)

26. (**Currently amended**) A system for ~~increasing~~ incentivizing the ~~efficiency of~~ cost-effective use of medication treatment therapies, comprising means for ~~adjusting~~ determining a patient copayment for at least one of a plurality of possible medication treatment therapies based at least in part on ~~part of~~ patient attribute information for the particular patient, wherein the patient attribute information comprises information indicative of at least one of an age of the patient, a sex of the patient, a weight of the patient, a medication treatment therapy currently prescribed to the patient, a second disease of the patient different than the first disease, a surgery performed on the patient, an allergy of the patient, a laboratory finding related to the patient, and a social history of the patient, thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the medication information for the particular patient ~~according to a cost-effectiveness determination of each of the plurality of possible medication therapy for a patient~~.

27. (**Currently amended**) The system of claim 26, further comprising means for providing a physician with the ~~adjusted~~ patient copayment of at least one of the possible medication treatment therapies.

28. (**Canceled**)

29. (**Canceled**)

30. (**Currently amended**) A method of incentivizing the selecting of a cost-effective medication treatment therapy, the method comprising:

      ~~receiving information from a user;~~

storing, in a memory of a computer, medical information for a particular patient, the medical information including diagnostic information and patient attribute information, wherein the diagnostic information comprises information indicative of at least one of symptoms of the patient, a diagnosis of a first disease of a patient, and a type of possible medication treatment therapies, and wherein the patient attribute information comprises information indicative of at least one of an age of the patient, a sex of the patient, a weight of the patient, a medication treatment therapy currently prescribed to the patient, a second disease of the patient different than the first disease, a surgery performed on the patient, an allergy of the patient, a laboratory finding related to the patient, and a social history of the patient;

determining, by a processor of the computer, a plurality of possible medication treatment therapies based at least in part on the ~~information received from the user~~ diagnostic information for the particular patient;

generating cost-effectiveness data for each of the plurality of possible medication treatment therapies based at least in part on the patient attribute information for ~~a specific~~ the particular patient;

~~adjusting~~ determining, ~~using one or more processors~~ by the processor in the computer, a patient copayment for each of the medication treatment therapies based on the cost-effectiveness data; and

displaying the ~~adjusted~~ determined patient copayments, thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the medication information for the particular patient ~~copayment to the user~~.

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Canceled)

35. (Canceled)

36. (Canceled)

37. (Canceled)

38. (**Currently amended**) The method of claim 30, further comprising transmitting the ~~adjusted~~ determined patient copayment <u>for at least one of the plurality of medication treatment</u> <u>therapies</u> to a pharmacy or data center communicating with a pharmacy.

39. (**Currently amended**) A method of ~~adjusting~~ <u>determining</u> the copayment for a medication, comprising:

adjusting <u>determining</u>, ~~using one or more processors~~ <u>by a processor of a computer,</u> a patient copayment for at least one medication treatment therapy according to <u>patient</u> <u>attribute information for a particular patient, the patient attribute information comprising</u> <u>information indicative of at least one of an age of the patient, a sex of the patient, a</u> <u>weight of the patient, a medication treatment therapy currently prescribed to the patient, a</u> <u>second disease of the patient different than the first disease, a surgery performed on the</u> <u>patient, an allergy of the patient, a laboratory finding related to the patient, and a social</u> <u>history of the patient</u> ~~a probability of efficacy of the medication treatment therapy for the~~ ~~patient~~; and

providing a physician with the ~~adjusted~~ <u>determined</u> patient copayment of the medication treatment therapy<u>, thereby incentivizing the selection of one of the medication</u> <u>treatment therapies or another of the medication treatment therapies based on the patient</u> <u>attribute information for the particular patient</u>.

40. (**Canceled**)

41. (**Canceled**)

42. (**Currently amended**) A device for ~~assisting a physician in~~ <u>incentivizing</u> selecting a <u>cost-effective</u> medication treatment therapy, comprising:

<u>a storage module configured to store medical information for a particular patient,</u> <u>the medical information including diagnostic information and patient attribute</u> <u>information, wherein the diagnostic information comprises information indicative of at</u> <u>least one of symptoms of the patient, a diagnosis of a first disease of a patient, and a type</u> <u>of possible medication treatment therapies, and wherein the patient attribute information</u> <u>comprises information indicative of at least one of an age of the patient, a sex of the</u> <u>patient, a weight of the patient, a medication treatment therapy currently prescribed to the</u> <u>patient, a second disease of the patient different than the first disease, a surgery performed</u>

on the patient, an allergy of the patient, a laboratory finding related to the patient, and a social history of the patient;

a medication treatment therapy determination module, configured to determine at least one medication treatment therapy for a patient ~~according to information received from a user~~ based at least in part on the diagnostic information for the particular patient;

a copayment ~~adjustment~~ determination module configured to ~~adjust~~ determine a patient copayment of at least one of the medication treatment therapies determined by the medication treatment therapy determination module based at least in part on the patient attribute information of the particular patient, ~~wherein the adjusted patient copayment is based at least in part on a cost-effectiveness of the medication treatment therapy~~; and

a display configured to display at least one of the determined medication treatment therapies and the ~~adjusted~~ determined patient copayment, thereby incentivizing the selection of one of the medication treatment therapies or another of the medication treatment therapies based on the patient attribute information for the particular patient.

43. (Original) The device of claim 42, further comprising a cost-effectiveness analysis module configured to determine the cost-effectiveness of the medication treatment therapy determined by the medication treatment therapy module.

44. (**Currently amended**) The device of claim 42, wherein the cost-effectiveness of the medication treatment therapy is based at least in part on [[a]] the patient attribute information for the particular patient.

45. (**Canceled**)

46. (**Canceled**)

47. (**Currently amended**) The device of claim 42, further comprising a communications ~~means~~ module configured to receive patient information from a patient information database.

48. (**Canceled**)